CLIMATOLOGICAL DATA FOR JANUARY, 1911.

DISTRICT No. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL CLIMATOLOGICAL CONDITIONS.

The weather during January, 1911, was quite warm and in marked contrast to January, 1910, which month was one of the coldest on record for the Great Basin. There was much more precipitation during this month than in January, 1910, but the precipitation was gen-erally in the form of rain, much less snow having been reported than in January last year.

TEMPERATURE.

The temperature of the district as a whole averaged 30.7°, or about 4° above normal. The highest mean temperatures occurred in the protected valleys of Utah, and in the western and southern portions of Nevada. The monthly means at the various stations ranged from 17.4° at Cokeville, Wyo., to 52.8° at Jean, in southern Nevada.

All but two stations in this district reported monthly mean temperatures above normal. The departures ranged from 1° below normal at Golconda, Nev., to

7.9° above normal at Ely, Nev.

There was a wide variation of temperature departures throughout the district, stations quite near one another reported mean temperatures varying greatly from their normals. The month began very cold, the weather being influenced by an area of high pressure which persisted over the district for several days but with dimin-ishing intensity. In the Idaho and Utah areas the lowest temperatures were usually recorded on the 2d and 3d. After the 3d warmer weather prevailed everywhere until the 15th, when colder weather set in, and temperatures remained low until the 23d. During the remainder of the month warmer weather prevailed, and temperatures were generally much above normal, the highest temperatures generally occurring during this period.

The lowest temperature was -36°, at Woodruff, Utah, on the 23d, the next lowest being -35°, at Border and Cokeville, Wyo., on the same day.

The highest temperature was 86°, at Iosepa on the

10th. Other high temperatures were 74°, at Spanish Fork, Utah, on the 10th, and 70°, at Al Tahoe, Cal., on the 9th, and at Jean, Nev., on the 8th.

PRECIPITATION.

The precipitation averaged 2.96 inches, which is almost three times the normal amount, and about twice as much as fell during January last year.

The precipitation chart showed the usual irregularities in the distribution of moisture. The total amounts at the several stations ranged from a trace at Mina, Nev., to 33.33 inches at Deer Park, Cal. The largest amounts fell in the east-central California section, where the lowest monthly amount was 7.75 inches, at Markleeville, and the highest was 33.33 inches at Deer

Very nearly every station reported amounts above normal, the greatest plus departures occurring in west Nevada and on the western slope of the Wasatch Mountains in Utah. The few minus departures occurred in

central Nevada and in the Oregon area.

Very little precipitation fell during the first eight days of the month, but during the remainder of the month precipitation was quite uniformly distributed. In the California area where such large amounts fell precipitation occurred during the periods of 9-15th, 19-20th, and 23d-31st.

The largest 24-hour amount was 4.80 inches, at Boca

Cal., on the 11th.

Regarding the precipitation in Nevada, the section director at Reno says:

The precipitation was greatest in the eastern Sierra Mountains and least in the desert regions. Traffic on the Southern Pacific Railroad was blocked for a few days by heavy snowfall in the mountains 40 to 50 miles west of Reno. The precipitation, except in a few localities, was very heavy. In most localities the average was the greatest since January, 1890, when the snowfall in the west portion of the State was the heaviest on record, and also the heaviest according to the memory of the old-timers. In the Lake Tahoe district the precipitation ranged from 27.21 inches on the west side of the lake to 15.85 inches on the east side. The depth of snow on the last day of the month was 13 feet in the upper Truckee River Basin, while it was only 3 feet at Glenbrook. The precipitation in the upper drainage areas of the Carson and Walker Rivers averaged about 12 inches in the former and 6 inches in the latter. The snow was drifted to a large extent, and of an icy nature due to rain following the snowfall. In the Humboldt River, Basin the snowfall was a little greater than the usual amount.

The section director of Utah says:

The ground was generally frozen in the northern part of the State until about the 25th. Elsewhere the ground was open nearly all the month. In the middle and southern parts of the State plowing was in progress during practically the entire month, and grass and lucern were green. Before the ground thawed in the northern counties a great deal of water flowed to waste. The warm rains of the last decade swept the valleys and lower slopes bare of snow.

NOTES.

In February, 1907, when considerable snow lay in the mountains of the Great Basin, a few days of warm, southerly winds, with copious rains, caused tremendous floods, particularly in southern Utah and Nevada; and while improvements were comparatively few in those sparsely settled regions, the damage to railroad and other property amounted to several hundred thousand dollars.

During November and December, 1909, unusually cold, stormy weather prevailed, which deposited deep snow over all the Great Basin, even the extreme southern portion, and spread a white blanket over vast regions which had never had snow within the memory of man. Just at the close of December an active barometric depression, entering far down on the Pacific coast, caused a few days of warm winds over this snow-laden region and brought heavy general rains about New Year's eve. That night and the following day, about \$2,000,000 worth of railroad equipment was swept away in one of the worst floods the arid West had ever known, causing a total loss, direct and resultant, of no less than \$5,000,000.

The most recent desert-region floods occurred at the close of January, 1911, at which time weather conditions in the West were quite similar to those shown on the weather maps during the flood times of 1907 and 1909, and but for the fact that the winter of 1910–11 was practically devoid of snow at the lower levels and there was very little at the higher places, the damage due to this flood would not have been confined to a few hundred thousand dollars and to crippling commerce but a few

Probably the greatest loser in this flood, as in previous ones, was the San Pedro, Los Angeles & Salt Lake Railroad, whose track was wrecked at various places in the narrower canyons of southeastern Nevada. In this region stand the highest mountains within the rim of the Great Basin, and these were carrying some snow when the warmth and rains came. While the railroad track is now placed far above canyon stream floods, it was broken in various places by hillside washes, which carried away some of the newer embankments. The dearth of snow for feeding the floods kept the high-water line several feet below last year's high-water mark, and the regular train schedule was resumed in a comparatively short time. Elsewhere in the southern portion of the Great Basin no floods of importance occurred, as the ground was unfrozen practically everywhere and absorbed much of the rainfall.

In middle and northern Utah, where mountain snow was more plentiful, this warm, rainy spell produced numerous floods, hindering traffic and other business a day or so and causing several snowslides in the inhabited regions, in one of which four miners lost their lives. Rain fell practically all day January 30, 1911, on the deep snows of the Wasatch Mountains in the neighborhood of Alta and Brighton, Salt Lake County, and snowslides of appalling proportions occurred in several places. The most disastrous slide demolished a bunkhouse belonging to the Coalition Mines Co., in which a number of men were sleeping, at 5.30 a. m., January 31. Several of these men were injured and four were killed.

The Malad Valley Branch of the Oregon Short Line

The Malad Valley Branch of the Oregon Short Line Railroad was under water in one place just above Brigham city for a distance of about 1,000 feet, and while the water receded within an hour, the track was too soft for travel until February 1. Several small streams in that locality overflowed and roads, bridges, and some small buildings were considerably damaged. The Brigham city waterworks line was broken, and the city was without good culinary water for several days. The numerous electric power transmission lines travers-

The numerous electric power transmission lines traversing northern Utah were considerably crippled temporarily but the damage was soon repaired.

The track of the Oregon Short Line Railroad at Kimport, between McCammon and Montpelier, Idaho, was impassable for a few days, necessitating the detour of trains for the Northwest via Ogden, Utah.

January 29, 1911, a landslide in Provo Canyon covered about 500 feet of the railroad tracks of the branch line of the Denver & Rio Grande to Heber, Utah, to a depth of about 50 feet in places, delaying traffic several days.

of about 50 feet in places, delaying traffic several days. Practically all the streams out of the Wasatch Mountain to the west were on a rampage for a day or so, but as the water had been low, and very little or no ice had formed, there was little jamming and eroding, and the floods soon subsided. However, the washing along the Ogden Canyon electric railroad was such that it was thought best to suspend traffic on that line until spring.

Table 1.—Climatological data for January, 1911. District No. 10, Great Basin.

	····		ears.	Tem	peratur	e, in	degr	ees Fal	renb	eit.	Prec	cipitation	ı, in in	ches.	ays,	<u> </u>	Sky		direc-	
Stations.	Countles.	Elevation, feet.	Length of record, years	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	1 1	Greatest daily range	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy d	Number of clear days.	Number of part- ly cloudy days.	Number o	g wind	Observers.
Wyoming. Border	do	6, 085 6, 204 6, 860		19.2 17.4 23.3	+ 6.0	47 48 44	31 30 19	- 35 - 35 - 24	23 23 23	64 56 45	1.23 0.84 1.94	- 0.12 + 0.79	0.40 0.22 0.68	14.0 11.0	7 12 8	10 12 11	2 7 9	19 12 11	w. nw. sw.	S. W. Condron. E. J. Tuckett. Frank Tucker.
Idaho. Geneva	Bannock Bear Lake Oneida	5,400 5,946 4,520		1	+ 2.8 + 2.6	50 45 50	31 9	- 12 - 20a - 12	2 2† 2†	32 50a 32	3. 43 3. 72 2. 00 4. 46	+ 0.36	1.14 0.85 0.75	12.0 2.5 19.0 9.0	7 7 6	22 9 5	3 3	6 19 24	s. w.	F. W. Boehme. Cyril B. Dickson. John Norton. Thos. W. Roe. Wm. T. Chatterton.
Utah. Alpine Beaver Black Rock Costle Rock Cedar City Corinne Deseret Enterprise Farmington Fillmore Frisco Garrison Government Creek Grantsville. Grouse Creek Heber Henefer Henefer Ibapah (near). Ibex International. Iosepa Kanosh Kelton Levan Logan Lucin Manti Marysvale Meadowville Millord Millord Millyille Minersville Minersville Millord Millyille Minersville Modena Morgan Morgan	Summit Iron. Boxelder Millard. Washington Davis Millard Beaver Millard Tooele do Boxelder Wassith Tooele Millard Tooele Millard Tooele Millard Tooele Joselder Wasstch Summit Tooele Millard Tooele Summit Tooele Summit Tooele Summit Tooele Millard Soxelder Juab Scache Boxelder Summit Fooele Summit Fooele Summit Fooele	4, 872 6, 244 4, 541 4, 240 4, 541 4, 270 4, 267 5, 100 7, 318 5, 277 5, 300 5, 606 5, 301 7, 500 5, 300 5, 300 5, 300 5, 301 5, 300 5,	8 11 8	30. 2 32. 8 33. 6 34. 8 32. 7 32. 0 28. 2 28. 0 26. 1 36. 9 39. 0 27. 3 29. 4 24. 3 28. 6 33. 0 36. 0 37. 0	+ 5.4 + 5.7 + 4.8 + 4.5 + 4.4 + 7.1 + 5.4 + 5.1 + 5.1 + 5.3 + 3.2 + 5.0 + 3.8	58 58 57 53 57 56 60 53 55 45 59 86 55 45 55 55 55 55 55 55 55 55 55 55 55	30 31 30† 30† 24 30 	- 5 - 4 - 5 - 1 - 12 - 22 - 5 - 5 - 9 - 9 - 23 - 10	3 23 3	31 43 36 29 34 34 39 26 38 47 38 37 58 30 447 47 28 44 36 39 44 48	0.64 9.56 9.56 1.77 0.45 1.09 1.99 5.29 1.85 0.128 1.23 1.55 2.08 5.76 0.75 3.99 1.41 3.81 0.75 3.99 1.98	+ 0.22 + 2.47 + 0.16 + 2.58 + 0.02 ± 0.00 ± 1.55 + 1.55 + 1.54 + 0.89 + 1.54 + 0.75 + 1.25	0.55 0.47 0.40 0.50	7.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4	4 8 1 1 7 7 5 6 4 11 7 7 4 14 6 3 9 0 0 7 6 9 10 4 12 5 10 8 6 12 9 12 11	11 16 11 16 16 16 16 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	14 9 6 11 10 3 8 8 10 6 6 10 6 10 22 4 12h 2 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1	7 ^b 19 23 17 19 12 12 12	SW. S. S. N-SW. S. SW. S. SW. S. SE-SW. S. S. S. S. S. S.	George Stevens. James Connell. W. D. Livingston. David Moore. Parley Dalley. A. C. Murphy. S. W. Western. John Day. Charles Boylin. J. J. Starley. E. R. Smyth. E. M. Smith. Walter James. Allen J. Fraser. Phillip Paskett. John Crook. William Brewer. J. S. Lawton. John J. Watson. I. S. and R. Co. Geo. K. Hubbell. Geo. Crane. F. W. Klock. William Brown. Utah Experiment Station. C. J. Burke. J. M. Anderson. James Wolstenhulme. John W. Henry. J. S. Moffat. C. M. Temple. Fred Yeates. George Roberts, sr. U. S. Weather Bureau. W. Visick.
Moroni. Mount Nebo Nephi (near). Oak City. Ogden. Park City. Parowan Payson. Pinto. Promontory. Provo. Randolph. Richfield Saltair. Salt Lake City. Scipio. Silver City. Spanish Fork. Strawberry Tunnel. Thistle. Tooele. Utah Lake Pump Station.	Sanpete Utah Juab Millard Weber Summit Iron Utah Washington Boxelder Utah Rich Sevier Salt Lake do Millard Juab Utah do do Tooele Utah	5,919 4,650 6,659 4,900 4,310 7,800 5,970 4,913 4,532 4,532 4,250 4,366 5,260 6,125 7,650 5,075 4,900 4,500	3 10 8 7 10 14 20 8 14 40 19 8 21 8 37 16 1 2 2 19 15 6	32. 0 32. 4 29. 0 33. 6 32. 9 32. 3 34. 0 34. 8a 36. 4 32. 2 35. 8a 25. 6 30. 9c 30. 0	+ 5.3 + 5.0 + 4.8 + 5.5 + 7.1 + 7.6 + 5.3 + 5.6 + 0.1	52 60 47 60 57 58 62 60 57 74 45 53 55	31 31 31 30 30 30 31 31 31 31 31 31 31 32 32 31 32 31 31 31 31 31 31 31 31 31 31 31 31 31	- 4 0 	3 2 2 3† 2 2 3 2 3 2 2† 2 3 2 2 3 2 2 4 2 2 3 2 2 4 2 2 3 2 2 4 2 2 3 2 2 4 2 2 3 2 2 4 2 2 3 2 2 4 2 2 4 2 2 3 2 2 4 2 2 4 2 2 3 2 2 4 2 2 4 2 2 3 2 2 4 2 2 2 4 2 2 2 2 2 2	32 33 52 44 43 48 28 28 47 47 47 35 36	3.14 1.19 1.92 6.24 1.06 2.23 3.38 2.85 0.81 1.09 1.55 1.24 3.87 2.51 2.30 4.95 3.59 1.40	+ 0.33 + 2.97 + 0.06 + 2.18 + 1.53 + 0.43 - 0.11 + 2.63 + 1.95 + 0.30	0. 37 0. 68 1. 47 0. 45 0. 23 0. 60 0. 54 0. 66 0. 83 0. 76 0. 70 1. 00 0. 49	7. 0 3. 0 13. 0 9. 5 T. 16. 0 9. 9 T. 4. 0	5 8 8 12 6 4 10 6 11 10 7 16 8 9	7 9 8 14 5 11 4 14 12 3 9 8 7 11 11 9 4 4	11 0 10 3 14 3 2 12 5 9 9 5 7 b 13	16 12 17 16 17 13 14 17 16 17 14 15 15 13 ¹⁴	s.	B. F. Eliason. D. C. Walkey. S. Boswell. Peter Nielson. Enoch Farr. Irvin Evans. S. M. Matheson. D. L. Coombs. J. H. Harrison. F. C. Houghton. James A. Oliver. William Rex. Joseph J. Jensen. E. J. Bench. U. S. Weather Bureau. Thos. Menmott. J. L. Stark. U. S. Reclamation Service. Do. John Thorgeirson. E. A. Bonelli. W. A. Knight.
Woodruff Oregon. Burns Christmas Lake Paisley	HarneyLakedo	6,500 4,157 4,300 4,500	13 20 4 8	25.3 25.8	+ 1.2	49 50 67 54	19 3 6 9	-36 - 9 -11 10	11 23	53	1.59 0.68	+ 0.06 - 0.08	0.35 0.42 0.16 1.20	6.5 13.0 8.5 21.0	9 9 8	7 11 1 7e	9 11 8 7°	15 9 22 14°	w. sw. sw.	J. Sidney Pusey. J. C. Welcome, jr. John C. Green. E. C. Woodward.
Al Tahoe h. Glen Alpine. Tahoe. Truckee. Nevada.	Eldoradodo Placer Nevada	6, 235 6, 850 5, 819	1 1 40	28.0	+ 5.7	70 49 51 60	9 7 8 5	- 4 0 4 - 5	17† 16	35	21.21		2.90	125. 0 156. 0 229. 0 157. 0	17 18	10 10 10	0 1 0	21 20 21	s. s.	R. J. Clark. Carl Fluegge. R. M. Watson. Southern Pacific Co.
Aurora. Austin Battle Mountain. Beowawe Carlin. Carson Dam i Cherry Creek. Clover Valley. Cobre. Columbia. Dutton. Elko. Ely Eureka Fallon. Fernley Gardnerville	Elkododowhite PineEurekaChurchillLyonDouglas	4,843 4,905 5,232 4,032 6,450 6,000 5,750 5,100 5,342 6,421 6,500 3,965 4,200 4,830	22 40 40 40 40 3 11 2 4 3 40 20 8 6 38 11 7	35. 4 31. 0 29. 8 33. 6 28. 4 25. 7 32. 0 30. 6 35. 4 35. 0	+ 3.0 + 7.9 + 4.8 + 2.4	55 56 56 51 53 51 50 58 59 61 54	19 10 8 25 8† 20 30 8 8† 7† 20 8 7	12 4 0 16 - 3 0 11 - 4 2 - 3 4 12 12 - 6	16† 16† 22† 22 3 21 23 22 22 3 3	46 48 31 36 46 29 40 37 43 36 39 41 33	1.47 1.40 1.73 3.82 2.75 1.52 1.04 1.53 1.49 0.96 1.14 5.48	+ 0.69 + 0.63 + 1.71 + 0.50 + 0.30 + 3.35	0. 60 1. 06 0. 40 0. 45 1. 43 1. 00 0. 39 0. 20 0. 32 0. 32 0. 32 0. 30 0. 47 1. 28	3.6 4.0 2.0 5.8 6.5 2.0 5.4 4.5 10.0 T. 2.7 28.0	7 3 5 5 12 8 9 9 9 9 10 6 6 8	15 20 19 11 17 27 12 1 9 23 15 12 15 9	8 4 8 3 0 6 10 7 3 1 6 6 6	8 11 4 13 10 15 5 15 13 10 16	nw. w. s. w. sw. se. nw. s. w. s.	J. I. Cain. F. O. Booe. Southern Pacific Co. Do. Do. U. S. Reclamation Service. J. H. Leishman. I. F. Wiseman. Southern Pacific Co. A. Booth. Golconda Cattle Co. Southern Pacific Co. G. C. Hunting. Clay Simms. U. S. Experiment Station. Mrs. Geo. A. Steele. Wm. Dangberg. Mrs. J. F. Wambolt.

Table 1.—Climatological data for January, 1911. District No. 10—Continued.

			years.	Temp	erature	e, in d	legre	es Fah	renh	eit.	Prec	ipitation	, in in	ches.	days,		Sky.	•	direc-	
Stations.	Counties.	Elevation, feet.	Length of record,	Mean	Departure from the normal.	Highest.	Date.	Lowest.	i !	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 bours.	Total snowfall, unmelted.	Number of rainy da	Number of clear days.	Number ofpart- ly cloudy days.	Number of cloudy days.	Prevailing wind or tion.	Obssrvers.
Nevada—Continued. Glenbrook. Golconda. Halleck Jean Lewers's Ranch. Lovelock. McAfee's Ranch Millett Mina. Palmetto Potts Quinn River Ranch. Reno. Soda Lake Tecoma Tonopah. Wabuska. Wells. Winnemucca.	Douglas. Humboldt Elko. Clark Washoe. Humboldt Esmeralda Nye. Esmeralda do. Nye Humboldt Washoe. Churchill Elko. Nye. Lyon Elko. Humboldt	4, 697 5, 631 2, 074 5, 500 3, 975 4, 835 4, 600 6, 780 6, 990 4, 553 4, 534 4, 812 6, 090 4, 347 5, 631 4, 432	2 32 18 3 23 17 7 7 3 4 21 18 9 40 4 33 4 8 39 32 32 33 4 21 33 4 4 34 4 34 4 4 5 4 5 4 5 4 5 4 5 4	27. 8 52. 8h 33. 1 32. 0 38. 1 27. 4 23. 2h 33. 2 34. 8 24. 0 24. 9 30. 6 27. 0	$ \begin{array}{c} -1.0 \\ +6.0 \\ +0.7 \\ -0.6 \\ +2.7 \\ +0.7 \\ +1.6 \\ +4.0 \\ +0.2 \end{array} $	54 49 51 70 55 55 61 56 60 60 60 51 53	4 11† 8 8 8 25 30 24† 30 5 8 8 14 30 19 7 8	$ \begin{array}{c} 10 \\ -77 \\ -16 \\ 37 \\ 6 \\ 4 \\ 11 \\ -19 \\ 5 \\ 14 \\ -28 \\ 16 \\ -22 \\ -25 \\ 5 \end{array} $	2	30 35 51 24h 35 34 36 50h 42 35 70 648 48 49 32	0. 44 13. 15 1. 95 1. 29 T. 0. 53 3. 20	+ 3.28 + 0.26	2.65 0.30 3.00	129.0 14.0 4.5 0.0 47.0 3.3 0.0 0.0 2.5 23.0 40.5 T. 8.0 0.8	8	12 13 6 9 10 17 14 9 8 14 22 9 6	8 1 16 0 9 9 9 1 8 8 1 2 2 9 0 10 9	13 9 16 13 10 21 8	SW. SW. NW. S. S. S. Se. Ne.	C. C. Henningsen. Southern Pacific Co. Do. Salt Lake Route. Ross Lewers. C. H. Allender. C. H. Rodenkirch. Fred J. Jones. Southern Pacific Co. A. J. Akin. Miss Marnie Potts. F. M. Payne. U. S. Weather Bureau. U. S. Reclamation Service Southern Pacific Co. U. S. Weather Bureau. Vic Bernard. Southern Pacific Co. U. S. Weather Bureau. Vic Bernard. Southern Pacific Co. U. S. Weather Bureau.

Table 2.—Daily precipitation for January, 1911. District No. 10, Great Basin.

Stations.	River basins.						_								.]	Day 	of mo	onth.	•												_	
Stations.	Kivei basilis.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Wuomina.								j				-																	_			i -
order	Bear		.		. <u>T</u> .		.				. 40					. 02					. 04						T.					
kevilleanston	do		•	T.	- T.		. 04				. 2:				-	⊢ T. ⊢. 16	.06				. 06	.03				. 10 . 10	. 15			. 03 T.		.01
Idaho.			-	1.	1						ļ	1		ļ		1	\ \	••••			. 00					. 10	1 . 11		.03	. 1.	. 00	. 420
neva	Bear,	. <u></u> .	.	.0:		.					. 61					.07					. 41							. 26	i			1. 14
ice	do											1									. 25	Т.			. 20	. 47	.85		15			72
ne	Deep Creek																						. 40				. 30		. 10			. 35
ston	Bear				.						. 50				.	. 11	. 25				.08				. 45	1.15	. 18		. 02		. 65	1.07
Utah.	G. Salt Lake.	30		1			1		- 1		. 45		, !	ļ	1	25		- }		ļ	- 1	. 1						1	ł		55	l.
ver	Sevier Lake		íl								43 T					. 12	. 25				. io					. 22				. 04	. 00	. 47
ek Rock	do		. 10													Т.	ا <u>۔ ا</u>			. 35								::	T.	:-	ļ	Т.
tle Rock ar City	G. Salt Lake. Desert	. 10		.00							. 20 . 40					. то Г.Т.	25			. 35	. 20	15			. 03	. 40	. 15	. 05				
inne	G. Salt Lake.		.								. 50										Т.				*	1.80					1. 10	. 39
ert	Sevier Lake	. 02									. 10					. 22	T. \		1			. 05					۱ ا		. 14	::		. 11
mington	G. Salt Lake. Sevier Lake	干	.03								. 22	08.				1.03 T	- 10) 55'				. 30	· 40			. บอ	.30	т.		. 10	. 05	. 73	$^{\scriptscriptstyle 1}$. 56
sco	Desert		. 10		1												16												. 10			.05
rison	do																							!								
rernment Creek	G. Salt Lake.						j			• • • •	. 42	. 12		• • • •	$ \cdot 13 $.25		• • • •		т.						. 10
use Creek	Desert	Т.		}	{:		(::::	1111			``.io		[. 18		1111				::::\			. 05	. 33	.83				. 20	.30
oer	G. Salt Lake.	. 05	5								. 90	. 20				.58			!		. 10	. 30			. 10	1.07	. 10	. 12	. 10	. 15	40	1. 12
pah (near)	G. Salt Lake. Desert	. 07	ii	.01					• • • •		. 79 . 75										. 45	.80	• • • • •				. 10		.03 T.	. 05	1.28	. 15 T.
x	do	*	. 18							::::	. 20														1				1.			.04
rnational	G. Salt Lake.	.01	.01]]	- 14	. 15				Т.	ا ا	[.		. 14				. 15	. 03				.05	. 57
pal	Desert Sevier Lake				ļ						- 46 - 65	. 34		••••	}····}	. 20			}		100	.07	• • • • •			.08						.08
ton	G. Salt Lake.			::::			::::		::::		10				[*	. 25									. 25	. 20			*	. 30	. 45
an	Sevier Lake	.08								<u>; . ; .</u>	*	. 51				*	. 26					. 30				. 12			*		.06	. 10
anin	G. Salt Lake. Desert								• • • •	1.07				• • • •		. 28					- 46			l	. 95 T.	T28	. 16		. 15	. 69	1.42	.30
ti	Sevier Lake										.48	.26				. 04	. 20	.		[.		, 44	1			. 14	12^{1}	. 02	. 23	. 30	. 04	. 42
ion	G. Salt Lake	. 15					}			T.	.85 .75	23				. 15	. 13).			.03	. 31]		. 05)	. 95	. 03	. 13	.05	. 04	. 23	. 72
ysvaledowville	Sevier Lake G. Salt Lake							• • • • •	• • • •		. 60	. 22			i	T.	. 08				T.	12				.06	T. . 10	Т.	30	. U3	. 01	. 65
ord	Sevier Lake	. 20														10	. 20					. 10].				. 05						. 10
villeersville	G. Salt Lake.						 -	-		- 55	. 62				[. 05	. 25				50				. 12	. 83	.08				. 60	
ena	Sevier Lake Desert		.01					-		. 60	. 59					. 10	.31 .		· · · - ·		- 141				. 03	. 10	.08			.05	т.	$\frac{.36}{.37}$
gan	G. Salt Lake.)				1.15	. 06				. 25	.	.			. 50 i	i, 10 .			. 25	. 501	. 50	Т.	T.	т. І	1.25	1.00
oni int Nebo								-			. 39	45	:				.18			.	1	$\cdot 21/.$.06	T.		. 63	. 13	
hi (near)	do		[]								. 10						.05					. 12				. 40		. 10			.08	$\frac{12}{1.38}$
City	Sevier Lake																	[.														
enguitch Lake	C . T .								-	-	}						-	-		-	-				• • • • •	-						
k City):			. sol	. 20]					. 13				. 09	.08			j	i. 6i	1. 30	2. 03
owan	Desert	. 14									. 22		.						-			.26.										. 37
son								-		* 1	44	. 10		۱		.06	. 27		-		- 1	. 68	.10		Т.	T. 63				. 33		. 30 . 74
nontory											. 11						. 20 .				- 1					. 03	. 07			.07		. /4
vo	do				- ::-		- ; ; - -				. 50		. • • • -			.20	.05	-		.;;· -		. 45				. 05	. 10		,		. 30	
dolph		T.		T.			T.	[-			. 13 . 60		• • • • •	۱		т.	Т.			Т.	. 23								. 32	T.	т.	. 08
air	G. Salt Lake.		. 02								. 54					. 13	.05 .					. 27].	.		.01 .			. 01		
	do						-		-		.60	T.				T.	.05].	.			. 28 .				T. [Т.			T.	. 02	. 22
ioer Mine								-		•••	. 83	. 40				. 18	. 28				т.	. 48 .	::: :				. 04		. 28	. 50	. 03	. 51
er City	Desert										. 05						.06					. 24							.26	. 58	.08	. 17
nish Fork Can-	G. Salt Lake.							-	-		. 47		.			. 05	. 31	-				. 70 -		-		.04	-		*	. 70	. 03	
wberry Tunnel .	do	. 25	. 10	. 05	. 10		.	İ.			. 20	. 40				. 25	. 25				.40	. 60			т.	. 30	. 15	т.	. 40 1	. 00	. 25	. 25
itle	do	. 40	Т.			1				. 1	. 45					. 80	T. .			Т.	т.	. 34 .			T.	. 50		. 10		. 80	T.	. 30
le h Lake Pump	do	т.	. 05	Т.			-		-							. 04	. 05].	-		'	т, ј.	. 47			т.						Т.	.08
										- 1	- 1	1	-			-	•••					-				• -						
druff																	.				35	.	-	.	.	[.	-		. 15			. 01
Oregon. River	Southeast	-	ł							05	ļ	50		90	. 05 .			- 1		. 15	05			- 1	0.5		. 05		. 10		. 12	.08
								- 1		. 00	- 1		- 1		- 1		- 1		Į.	- 1	Į				. 52		- 1					1
IS	do	[-			·	-	- أهُوَ		-		. 42			-					. 13			. 22 .	-	-	-		. 02	. 15	. 15	. 11	
stmas Lake	do							. 90		. 62		. 201.					.04			. 10	10		T T		.03		.07		••••	$\frac{25}{07}$.	}-	. 16
ond	do		-			[-				. 36	. 10	т.	.08	.02	T.				т. :	19				. 09		. 10			T.	Т.	. 36
odv	do	_ !			1			!		. 90	. 30	- 70	. 30	-;:		. 25 .		!-	1.	.00		- [-	-		. 48	. 12	. 28	т. 📋	T.	. 70	. 01	. 36
Rock	do	•	-		-	· • • • ¦·	••••	-	- 1	וואי	- 11	ונוצי ו		33.11	141	- 1	1			35 29	-		-		. 05		. 25	- <u>iô</u> -			. 10	. 06 . 42
28	do	1.			- 1	Ι.		T I	- 1	1.	1 -	[.				- !-		. '.	4-	i	· ·						- 1			F		-
t Creek v Falls	do	• • • • •						-	[-	- [-	. [يم.	· - <u>- </u> -	[.	اليز.				}		٠,,,,			[.		- [2]		. ; ;].	آنيي.			- -	- [
V Falls	ao] -			-			. 02	. 03	. 87].		. 06	.08		• -	'	···] •	. 05 .	10	• • • • •	-		. 15		. 15	. 75 .	'	т.	. 05	. 80
1	Truckee		.						1.	. 14	. 38	. 32 1	. 10 1	. 66	. 34	. 26 .				. 34	91		۔ا۔		. 78	. 11	. 38		. 08 2.	$. 11 _{2}$. 23	. 76 1
	an I	- 1	4			- 1			- 1	. 701	.40		2011	20)	1 437 N	1311	311			- 11	1711	At 1			507	6.01	4 4 11	101	רוואי	(M)	CAN	7311
e	East Walker.	-	-	-						16	·;;	· ;;		- - 1.5		;-	• • • - •		• • •			22		-		-				-	·;; .	90
Park.	Truckee.	i i	-			-		• • • - •	Í	$\frac{10}{82}$.	80 I	051	02^{-3}	88 1	. 21(- l. 75	. 95		'		844	35	22		083	.001	09 1	. 30	. 35	68 1	85 2	6512	78 3
geport. Park ner Ice Camp. ' Hot Springs. Alpine.	do								.			-].																	
Mot Springs.	West Walker.		-]-		-		!	·] <u>.</u> -	. [امن	14	- 33 6	. 74	77]:		. 44 .		!		30 4			-	<u>. اي</u>	٠ امع	40	. 17			. 35 1	. 08	. 40
art Mills	rruckee	-			· · · · ·	····i·	-		· [-	38	. 20/1 \$9.1	. 20/3	$\frac{20 2}{42 1}$. 10:1 . 55 1	t. 10]. [. 52].	38		: - j - :	•	2011. 6119	68	07		* 1	. 80[1. . 40]	. 001. . 50⊨	70	. 50 . . 15	. 30 1. . 56 1	58 9	. 90 L . 19 1	. 10 2
ler	Foot Walles	• • • •	-	-	-						· [•		. T-11.	. 00.1	20.	. 00 -			•	VI	. 60	01,		· 1.	. 10	00	. 10 .	10	. 00 1.	. 00 2	. 1 5 5	. 14 -
leeville	East Carson								1.	74	48	. 48 1	. 70 1	00	. 52	. 49	[55	04	. ـ ـ ـ ـ	.	 -	. 80	18	. 07	. انج	. 10 1.	94 2	. 00 1	. 02 1
inney	Truckee	¦-		-	-	-			1.	96	98	. 62 2	. 56¦2. *	.711 *	l. 28],	. 38 .			;	95 3.	36 . 46 .	11		$T \cdot 2$. 77	66 1.	. 09 .	. 21: .	. 592.	$\frac{27}{75}$	$\frac{.65}{50}$ 2	$\frac{13}{70}$
r Creek	East Carson Truckee West Walker East Carson	::: •							1.	78	$ s_2 $. 70 1	90 1	02^{1}	. 00	. 50 . . 51 -	'			50	20			::: :	76	20	25	Т.	. 15 1. . 83 2.	901	95 1	. (0) . 10:1
.е	Truckee								î.	25	80 1	$.50 \hat{1}$	55 2.	15	. 35	20 .			:	* 1.	90			* 2	.00	35 1.	20 .	40	. 83 2.	902	03 1	80 2
kee dfords	do	-		-	-				1.	50 .	50 1	. 00 1	50 2.	00 1	.00 .	50																
	ciri (1.	- 1	- 1	- 1	- 1		1	- 1	!				- 1	1	- 1		i i	- 1	- 1	- 1	- 1										- 1

Table 2.—Daily precipitation for January, 1911. District No. 10—Continued.

Stations.	River basins.															Day	y of 1	nont	h.														<u>.</u>
Stations.	Kivei pasms.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Nevada.		_								_						 !		i				Ī						i					
rthur	Humboldt	. 10								. 06	. 22					. 21					. 86					. 09				*	. 48		2.03
urora	East Walker.																										.						
ustin	Reese										. 18										. 60					·					. 30		
Battle Mountain	Humboldt														<i>-</i>	. 20			[<u>]</u>]		. 21		1.47
eowawe	do															. 30				. 30											*	- 40	1.40
arlin	do																- -					• • • •											
arson Dam	Carson															: :	<u>:-</u>								::								-:-2
herry Creek	Humboldt	. 22								22	. 23					. 13	.07		j j		. 05	. 30			.02				.06	. 08			
lover Valley	do																			*	1.98				705	1.00	. 16				. 29		3.82
	do										. 10	.04				. 23	. 10								.05	1.00			.03	:	. 05		1. 5:
olumbia	Desert									.02	14					. 18					. 20				. 20	.05			. 03	. 39			
Outton Elko	Humboldt	.02				- • • •					. 20		-02	.10						:						. 05					. 15	1.10	1.04
Clv	do									1	10					21				1		. 25			. 20			T.	T.		. 16		1.53
Cureka	do									. 11	1.10										95				.30					.03			
allon	Carson																								т.				. 00	.30			
Pernley	Truckee																			т.	т.			• • • •			Т.			* 7	. 10		1.14
ardnerville	Carson										40		49		1. 28	50					53				Т.	т.			• 7		1.12		5. 48
evser	Humboldt									١	' ' '				1. 20										٠.	٠.				1.30	1.12		0. 10
lenbrook	Truckee									50	1 80	1 60	3 00	2 40	60										1.00		60		*	1.05	50	80	15.85
lolconda	Humboldt										1.00	*	1.00	10	1.50	1.10				*	. 50				. 05							1.00	
Ialleck	do																			!				1	. 05								
ean.	Desert									. 04							.10									Т.					.30		0, 44
ewers' Ranch	Truckee												2.80							*	1.00			1	2. 10		. 30				3,00		13, 15
ovelocks	Humboldt									. 75		.07		. 50	.01						. 01					.01					.63		1.95
fassacre Lakes	Desert					[Í	i
Ic Afee's Ranch	do			I																													
fill City	Humboldt			l						. 01			. 70	. 30							Т.							.			. 40		1.41
Lillett	Reese										.61								j		. 21				. 07	Т.					. 05	.35	1.29
dina	Desert									Т.																					T.		Т.
North Fork	Humboldt	. 20								. 20	١		. 10	. 25											. 30						.30	. 20	1.55
Palmetto	Desert																																
Paradise Valley	Little Hum-																			i													
	_ boldt.	ì	ł	ļ	1							ĺ	1	ł				1		i i					_						1		
Potts	Reese				.					T.	т.		*			01	.02							• • • •	Т.								0.53
Quinn River Ranch	Humboldt							*	*	*	*	*	*	*	1.75					::			• • • •		. 50					::	. 20	. 75	
Reno	Truckee	}			.				}	. 49		. 85	. 95] . 32	.03				. 12					. 09						. 29		
Rose Creek	Humboldt					·				. 48							••••			. 11					. 20	. 05					.30		
ecret Valley	do									;	. 74									*	. 76												3.81
kelton	do												;:			1.15														. 54	.30		1.99 2.55
mith	West Walker.									. 40				. 46						.80	1 60				1.00			- -					15.89
Spooner's Ranch	Truckee									. 47	п. 4 0 ГТ.		1. 20	. 13						.01							1.			.31			
weetwater	East Walker.					1				. 47		<u> </u>				. 05				.01				• • • •	.05		1			1.91	. 13	. 13	1.34
	Humboldt														1::::			·									- -			••••	10	.05	0.90
l'ecoma l'onopah	Desert								(· · · ·	.01					i				j :										.08	.04		.03	
Wabuska	Walker											. 05		. 22																			1.13
Wells	Humboldt									.30	. 00			. 22								1			. 05					. 04			
Willow Point													1. 20		20															*	*	.36	
., with a tomin	boldt.		:	1	.1	1		1	ļ·	1.20		ļ	1	l	. 20	1				.00							1			1	1	1 . 30	2.00
Winnemucca	Humboldt	1	1	1	1	1	1	1	l	. 23	T.	I	. 69	ı	1	ì	!	1	1	. 08			1	J	.11	. 05		1	1	.06	.31	. 37	2.37

Table 3.—Maximum and minimum temperatures at selected stations for January, 1911. District No. 10, Great Basin.

		Wyo	ming.	-													Utal	n.										
Date.	Bor	der.	Evai	nston.	Ida	ston, tho.	Cori	inne.	Des	eret.		ern- Creek.	Ibaj	pah.	Магу	svale.	Meac vil		Mod	ena.	Ogo	den.	Paro	wan.	Pro	vo.	Salt Ci	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Мах.	Min.	Max.	Min.	Max.	Min.
1 2 3 4 5	15 8 20 30 31	- 3 -25 0 16 15	14 7 17 27 33	0 -23 2 6 19	19 10 18 29 40	1 -12 4 11 25	26 24 24 24 30 40	4 4 12 21 13	28 23 21 37 32	3 0 -8 17 2	23 17 25 38 42	1 3 2 19 17	8 15 24 40 38	- 5 5 11 11	20 16 26 34 35	7 3 -11 - 1 - 2	20 12 24 34 38	1 7 3 16 21	24 17 25 33 37	10 4 - 2 7 7			21 27 32 35 47	8 6 3 4 3	22 34 24 36 38	$ \begin{array}{c} 10 \\ -11 \\ -9 \\ 13 \\ 6 \end{array} $	23 19 23 37 39	16 6 12 21 21
6 7 8 9 10	34 37 37 45 40	20 25 18 24 19	30 35 40 42 41	17 25 22 26 20	37 39 43 50 49	14 30 22 35 18	40 42 40 36 36	15 22 24 22 22 20	30 30 39 45 48	0 1 5 15 40	40 44 45 43 43	19 20 24 32 20	35 39 41 37 31	15 20 20 29 19	39 40 50 44 40	2 1 6 20 36	35 40 43 45 41	22 30 25 28 22	41 53 49 45 43	12 12 23 26 34	 		44 45 47 48 53	16 18 20 22 37	32 39 50 54 48	5 8 11 20 28	37 44 48 52 49	23 26 27 40 28
11 12 13 14 15	27 34 46 42 36	7 14 11 28 15	32 35 38 39 35	10 22 30 29 23	34 40 40 45 41	15 30 35 34 33	29 36 34 38 35	20 33 28 35 35 32	44 48 50 47 47	20 26 28 30 37	35 43 44 44 42	19 28 30 33 33	30 34 36 32 32	10 20 24 23 27	44 45 47 47 48	27 33 29 32 35	31 42 40 40 40	16 15 27 27 27 25	38 42 43 39 40	26 27 29 33 32	 		53 50 48 48 40	33 27 25 24 31	45 50 54 50 43	20 30 24 33 31	42 50 50 51 48	24 39 43 43 31
16 17 18 19 20	36 12 13 36 39	$ \begin{array}{r} 2 \\ -13 \\ -13 \\ -4 \\ 21 \end{array} $	36 36 40 44 41	$-{7\atop 2}\atop 10\atop 26$	39 22 26 41 42	10 5 1 10 26	34 37 43 40 43	23 14 15 22 28	43 42 45 44 52	31 23 20 31 38	39 36 43 43 49	26 16 26 35 33	35 38 41 45 36	9 15 30 29	38 41 43 50 59	31 29 17 25 28	37 28 28 45 40	8 5 4 9 24	35 40 44 47 48	31 25 20 30 32			41 39 42 45 48	$\begin{array}{c} 32 \\ 30 \\ 27 \\ 25 \\ 23 \end{array}$	53 44 49 50 47	29 19 20 26 32	38 40 43 52 51	28 25 28 33 27
21 22 23 24 25	29 23 -12 37 38	$ \begin{array}{r} -6 \\ -15 \\ -35 \\ -27 \\ 23 \end{array} $	29 15 20 42 40	-17 -24 -3 32	28 22 23 40 42	12 4 0 8 35	34 29 37 43 47	15 7 4 14 38	40 35 42 53 50	24 9 9 23 42	34 30 30 48 41	17 1 2 21 37	33 35 40 35 40	$^{10}_{-\ \ 8}_{\ \ 30}_{\ \ 28}$	50 37 52 53 58	24 15 17 33 40	32 25 15 45 40	$^{3}_{-8}$ $^{-12}$ $^{-4}$ 35	38 32 46 43 45	22 15 22 35 38			40 42 45 53 52	25 7 7 20 20	38 35 44 46 50	10 - 6 - 4 15 37	30 30 31 53 51	17 13 13 30 45
26 27 28 29 30	36 25 32 42 45 42	19 - 1 5 22 32 33	36 30 38 40 43 41	19 14 16 32 35 33	42 38 40 44 46 50	28 22 29 35 37 35	46 39 42 45 50 53	35 30 32 35 41 40	52 49 47 55 57 57	38 32 33 39 48 47	49 43 43 53 51 52	35 31 34 36 44 40	33 35 34 44 41 38	22 19 24 26 33 25	49 43 45 57 58 51	28 36 32 35 44 35	40 34 41 42 44 40	27 11 18 31 38 34	44 44 40 49 52 47				49 48 48 54 57 60	28 28 29 30 31 32	51 49 48 54 57 55	36 33 34 37 45 31	50 51 49 55 57 60	36 32 42 43 49 35
Mns	31.0	7.3	33.4	13. 2	36.1	19.1	37.8	22.5	43.0	22.7	40.4	23.7	34.7	17.5	43.8	22.1	35.5	16.4	40.7	24.5			45.2	21.9	44.8	19.8	43.6	28.9

			ļ											:	Nevad	a.												
Date.	Burns	s, Oreg.	El	ko.	E	ly.	Eur	reka.	Fa	llon.	Je	an.	Love	lock.	Mil	lett.	Mi	na.	Qu Ri Rai		Re	no.	Tecc	oma.	Tone	opah.	Wir	nne-
	Мах.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1 2 3 4 5	44 48 50 46 45	18 24 22 20 18	34 28 30 36 47	9 5 7 12 18	46 41 49 45 40	22 19 21 10 16	21 23 34 41 44	12 6 6 14 14	40 40 42 44 45	20 14 13 13 13	54 48 56	40 38 41 55	44 45 41 43 46	14 15 13 12 13	33 31 40 37 43	24 19 5 9 5	39 44 46 49 47	19 14 19 22 16	34 47 46 49 52	21 23 13 14 10	41 42 47 49 52	20 17 19 21 20	25 28 26 32 50	0 2 6 7 6	24 25 33 35 37	16 16 20 26 31	33 35 40 44 45	22 17 21 15 14
6 7 8 9 10	44 48 44 34 36	21 18 22 8 14	43 47 50 42 50	7 12 14 16 13	43 50 46 49 42	19 21 12 6 10	45 49 54 41 39	12 17 21 29 21	48 50 59 55 55	14 13 20 33 27	63 70 60	50 58 38	43 49 53 52 42	14 16 19 24 27	40 43 43 44 40	4 6 10 22 29	53 53 52 47 47	12 23 29 36 25	46	11	50 55 61 50 34	21 22 26 27 26	52 48 46 46 38	9 22 11 23 8	37 43 42 40 38	25 30 31 24 26	45 48 53 47 33	14 21 23 30 23
11 12 13 14 15	33 34 36 40 36	$ \begin{array}{r} -9 \\ 3 \\ \hline 14 \\ \hline 10 \\ -1 \end{array} $	41 38 40 46 48	14 10 20 28 23	45 43 47 46 50	14 20 18 12 20	34 38 45 46 39	8 21 22 23 25	47 50 45 45 38	24 33 34 25 31			45 45 49 33 43	25 32 31 17 22	40 43 43 45 47	22 28 29 31 30	54 51 48 46 47	31 32 30 34 11	39	12	34 35 36 40 39	27 30 29 34 16	42 46 48 56 48	12 10 12 18 15	32 37 38 42 41	21 25 25 32 27	44 38 38 35 40	17 14 17 17 8
16 17 18 19 20	35 34 32 34 37	$ \begin{array}{r} 10 \\ -3 \\ 18 \\ 12 \\ -7 \end{array} $	46 40 38 34 39	22 21 16 14 18	48 42 47 47 47 49	10 2 10 21 31	29 43 41 45 58	6 7 21 32 37	42 41 45 50 48	16 15 18 23 23	65 65 62 69 68	45 43 41 45 51	34 33 39 43 43	8 4 10 18 32	39 35 37 50 49	9 5 11 20 33	47 50 49 50 48	19 28 30 37 32	25 10 22 42 39	$ \begin{array}{r} -12 \\ -13 \\ -3 \\ -4 \\ 16 \end{array} $	30 30 51 51 43	9 5 9 36 30	46 44 40 46 42	$ \begin{array}{r} -2 \\ -4 \\ -2 \\ -12 \\ -28 \end{array} $	33 40 39 40 45	24 29 30 30 34	27 26 30 45 40	- 4 - 5 5 14 22
21 22 23 24 25	32 34 32 33 48	- 8 1 10 4 10	28 22 20 32 36	16 4 2 10 12	42 34 41 45 47	$-{25\atop -}\atop {4\atop 28\atop 27}$	39 33 40 41 44	17 4 11 32 33	44 42 35 52 58	28 14 12 26 33	55 57 60 60 60	40 37 43 43 48	34 30 29 41 55	23 14 12 26 33	44 35 42 44 49	26 11 13 36 36	44 47 48 56 53	13 18 38 37 22	30 31 22 39 46	$ \begin{array}{r} -12 \\ -19 \\ -15 \\ 18 \\ 29 \end{array} $	38 34 29 45 45	18 14 13 28 31	38 32 30 36 38	$ \begin{array}{r} -15 \\ -20 \\ -20 \\ 5 \\ 15 \end{array} $	39 35 37 40 43	25 23 29 33 35	28 27 29 47 49	4 0 1 27 34
26 27 28 29 30 31	32 34 40 49 47 38	3 14 32 34 29 15	34 32 32 40 40 42	12 10 12 16 14 12	43 42 50 46 48 44	34 30 35 30 31 28	42 39 37 43 47 45	28 26 31 32 39 32	52 55 50 47 53 52	28 21 28 36 39 40	61 59 60 60 59 57	43 47 52 50 53 40	46 44 44 46 48 51	21 26 28 33 35 38	46 46 41 50 52 49	32 23 33 32 31 38	52 49 56 56 53 51	26 31 39 44 41 24	38 38 49 44 41 40	16 1 16 24 32 31	39 46 42 38 48 48	28 32 33 32 34 30	46 46 40 46 48 50	20 15 10 15 22 28	40 39 35 46 50 47	32 29 32 35 42 32	40 39 44 42 49 47	24 22 26 32 34 31
Mns	39.0	11.6	37.9	13.5	45.1	18.8	40.6	20.6	47.4	23.5	60. 4h	45. 3h	43.0	21.1	42,6	21.4	49.4	26.8	37.8h	8.7h	42.5	23.8	41.9	6.1	38.5	28.1	39.6	18.4